

# Wildland Fire Information and Technology Management

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## EXECUTIVE BOARD

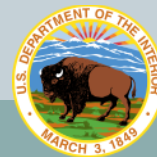
**MARCH 22, 2013**



# Agenda











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- Agenda Review and Opening Comments
- January Meeting Recap
- Status Summary
- Project Plan
- Architecture Briefings
  - As Is
  - Business
  - Technical
- Data Management and Governance Update
- Access Management Update
- Issues/Round Robin



# Status Summary

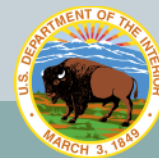
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	<b>Project Plan and Management</b>
	WFIT Operating Capability
	<b>As Is Architecture/Inventory</b>
	<b>Business Architecture</b>
	<b>To Be Technical Architecture</b>
	Data Management & Governance
	Access Management
	Capital Planning Process/Interface
	Five Year Investment Plan
	Short-term Savings

# Initial Operating Capability

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- Creating organizational components
  - Domain Working Group Charters drafted
- Designing workflows
  - Operational procedures in draft
- Developing standards and criteria; outstanding differences to be resolved
- Gaps in capital planning, architecture, and portfolio management skill sets
- Ongoing change management challenges; major cultural/organizational changes



# Data Management and Governance

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- Fundamental to our success/approach
- Keith Smith, NASF, Program Board Lead
- Roshelle Pederson, OWF, Project Lead
- Proposal to MAB on Feb 20, Response due Mar 22
  - Coordinate multiple existing or previous efforts to identify current capabilities and develop GAP analysis:
    - ✦ NWCG Data Standards
    - ✦ NWCG Fire Reporting
    - ✦ NWCG Geospatial
    - ✦ NWCG PMU – Data Architecture
    - ✦ WFIT National CAD



# Access Management

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- Efficient, effective interconnection and accessibility regardless of organizational affiliation or location – key to our ability to work as a cohesive business community
- Meeting of CIOs and senior business leadership on March 26 – lead by Doug Nash
- ➔ Engagement of CIOs to commit to a process for solving access management is critical



# Capital Planning Process/Interface

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- Draft WFIT CPIC guidance being reviewed by Program Board
  - OCIOs met with Program Board on March 20
  - Need to identify requirements and way ahead
- ➔ Need OCIO to help define capital planning business process – especially the development of common interface between WFIT and the two Departments



# Five Year Plan Development

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- Individual investment budget sheets have been sent out to account for spend plans in a standard way
- Data being collected and consolidated comparing As Is budget to actual investment requirements
- Submission to EB by May meeting (see Project Plan)

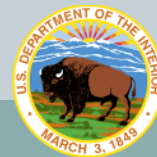




# Short-Term Savings

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- Initial, smart actions that can be taken before completion of the multi-year Roadmap to implement the To Be Architecture
- Process for identifying opportunities for short-term savings were presented to MAB on March 14
- Proposed short-term savings will be ready for May Executive Board meeting

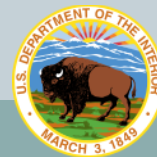


# Project Plan

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Organizing work to assure we meet the expectations of leadership, business and those that will execute requires a cyclical analysis of priorities and milestones.

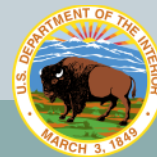
- Draft presented in January
- Review and comment period
- Final for approval



# Architectures

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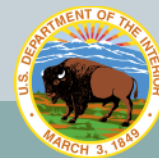
- As-Is Inventory 
- Business 
- Technical 
- Multi-Year Roadmap



# Process

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- Draft the technical architecture (Program Board)
- Define and agree upon the business activities and capabilities (Management Advisory Board)
- Map the As Is inventory to the business activities and capabilities (PB/MAB)
- Define broad strategies for implementation (PB/MAB)



# Process – cont.

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- Evaluate the As Is inventory (PB/MAB):
  - Gaps and overlaps
  - Evaluate whether investments meet business capabilities
  - Evaluate health of investments & conformance with technical architecture
  - Identify risks
- Create a Roadmap
  - Strategies
  - Priorities for investment actions



# Schedule

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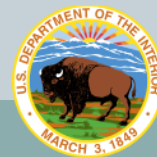
- March 22 EB Meeting: draft technical and business architectures
- April: complete and approve architectures; send to IRBs
- May 13 EB Meeting: detailed timeline for completing Roadmap
- September 27 EB Meeting: Deliver proposed Roadmap



# As Is Status

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- Complete
- See separate deliverable

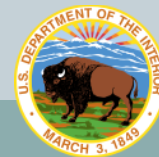


# Business Architecture

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- Documenting the primary and secondary business activities within wildland fire
- Determine capabilities required by the business activities

Update, validate, and finalize previous work (e.g. NWFEA)





# Discovery Process

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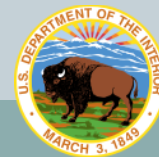
WLF LOB's identified in 2008 NWFEA Blue Print work, supporting interviews with Fire Leadership and supporting staff stakeholder groups assigned at that time.

✓

Detailed mappings and documentation of these WLF LOBs\sub functions were also done as part of this study, including identification of NWCG Stewards for these areas.

✓

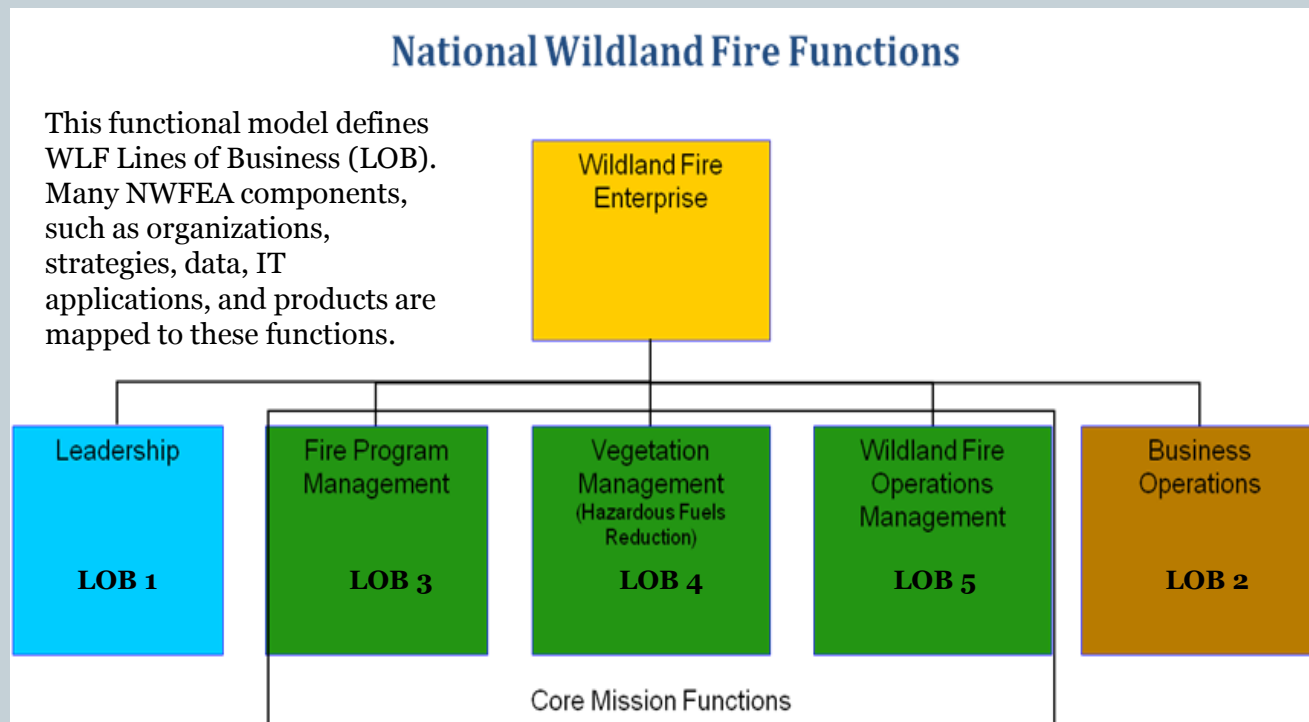
Updated information resources regarding Post-NWFEA efforts (e.g. GIS Governance project effort) have validated these LOBs \supporting Sub-Functional Areas.



# Wildland Fire Line of Business Functions

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The five Wildland Fire functions, as defined by the July 2008 NWFEA Document are depicted below. This top level of the NWFEA Functional Model depicts a high-level view of the work performed at the national and field levels.



# Summary of Wildland Fire Business Functions

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## Wildland Fire Business Area 1: Leadership

Strategic Planning

Policy Development

Financial Planning

Compliance Requirements Mgt (NEPA)

Performance Monitoring & Assessment (NEPA)

Investment Decision Making

Fire Program Development

Design and Implement Operating Model

Product Management

## Wildland Fire Business Area 2: Business Operations

Financial Management

Human Resource Management

Contract Management

Asset Management

Records Management

Information & Technology Management



# Summary of Wildland Fire Business Functions

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## Wildland Fire Business Area 3: Fire Program Management

Communications

Fire Planning

Standards & Procedures, Maintenance & Dev

Workforce Management

Community Assistance/Public Outreach (e.g. Fire Adaptive Communities Activities)

Fire Environment

## Wildland Fire Business Area 4: Vegetation Management (Hazardous Fuels Reduction)

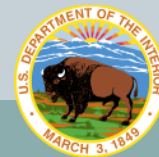
Tactical Planning

Treatment Implementation

Treatment Assessment

Resilient Landscapes

Fuels Treatment Reporting



# Summary of Wildland Fire Business Functions

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## Wildland Fire Business Area 5: Wildland Fire Operations Management

Tactical Preparedness

Fire Response

Stabilized Burn Areas

Incident Business Operations

Fire Data Reporting

Risk Management



# Technical Architecture

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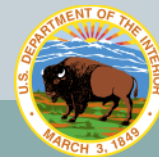
- A set of principles and specifications for a modular, flexible, integrated approach that relies on authoritative data sources and is agnostic with respect to platform, system, agency, location, etc. (broadly described in March 2012 strategic plan)
- Anticipate leveraging Cloud technologies



# To Be Architecture - Principles

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- Business Processes and Operations will drive changes to WFIT I&T applications and supporting infrastructure
- WFIT will preserve and leverage I&T assets that add value to the business
- Provide the data, tools, and technologies needed to make sound & timely strategic\Tactical WLF Decisions
- Increase the effectiveness and efficiency of the WLF program through re-engineering of processes and activities
- Encourage and leverage innovation that aligns with WLF LOBs and priorities of work



# To Be Architecture - Objectives

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- ❑ Objective 1: Service Orientated Architecture
  - ❑ Standardized I&T support methodologies regarding interoperable software design
- ❑ Objective 2: Integrated Security Posture
  - ❑ Single interagency sign on capability
- ❑ Objective 3: Web User Interface
  - ❑ Web enabled software applications
- ❑ Objective 4: Cloud Hosted Architecture
  - ❑ Cloud capable applications and hosting environments
- ❑ Objective 5: Data Services and Governance
  - ❑ Creation of authoritative data sources and data standards
- ❑ Objective 6: Open Innovation Platform
  - ❑ Creation of a Cloud Hosted “open” development environment to support innovation efforts and facilitate information exchange

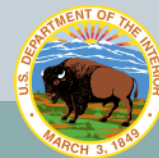




# Next Steps – Business Architecture

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- MAB concurrence on business functions and activities - ASAP
- Executive Board concurrence on business functions and activities – April 2013
- Complete initial mapping of As Is to business areas
  - Identify redundancies, gaps, and opportunities for short-term savings
- Present mapping and short-term savings to Executive Board – May 24, 2013



# Next Steps – Technical Architecture & Roadmap

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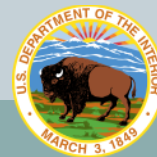
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- May 24 EB Meeting: detailed timeline for completing multi-year roadmap from As Is to To Be
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# Issues for Discussion

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- Forest Service proposal to re-categorize the FPA investment from Major to Non-Major



# Summary

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- Decisions
- Actions and Follow up
- Meeting schedule
  - May 24, 2013
  - July 26, 2013

